NWS FORM E-5 (11-88) (PRES. BY WSOM E-41) **U.S. DEPARTMENT OF COMMERCE** NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) **WFO Jackson, Mississippi**
MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS	REPORT FOR: MONTH **June** YEAR **2002**
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283	SIGNATURE **Jim Stefkovich, MIC** **In Charge of HSA** DATE **July 9th , 2002**

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (WSOM E-41)

Typical summer weather set in during the first 3 weeks of the month, with showers and thunderstorms scattered across the HSA. Rainfall amounts were highly variable from location to location. The highest 1 day totals during this time period were 3.46 inches at Shubuta, MS on the 20th and 2.37 inches at Raleigh, MS also on the 20th.

The most significant rainfall occurred during the last week of the month as an upper air low pressure area progressed slowly to the west. Rainfall occurred most every day over some portion of the JAN HSA. The highest 1 day total during this event occurred at Canton, MS where 3.56 inches fell on the 24th. Lake Providence, LA had 2.98 inches of rain in 45 minutes on the 28th.

The most significant hydrologic event continued to be along the Mississippi River. The river from Arkansas City, AR to Natchez, MS crested during the first few days of the month. Significant flooding of crop land occurred, and many low lying roads in small communities along the river were inundated. By the middle of the month, the river had fallen well below flood stage.

Below normal soil moisture conditions prevailed across much of the southern sections until late month. The Weekly Drought Monitor classified the HSA as abnormally dry through most of the month. Late month rainfall only slightly eased soil moisture deficiencies. Rainfall during the last week of the month had very little effect on area rivers. See the E-3 Flood Stage Report for river flood crests.

RIVER BASIN	*RAINFALL*	*DEPARTURE FROM NORMS*
Southeast Arkansas (Chicot & Ashley counties)	*0.75 to 3.25 inches*	*Below to much below normal.*
Northeast Louisiana (Tensas, Boeuf, Bayou Macon & Lower Ouachita)	*2.50 to 6.00 inches*	*Most of the area was below normal with isolated areas above normal.*

Lower Yazoo	*1.75 to 5.25 inches*	*Most areas were below normal with exception of slightly above normal over northern Washington County.*
Big Black	*2.00 to 5.75 inches*	*Well below normal over upper Big Black. At or above normal over the middle and lower Big Black.*
Homochitto/ Bayou Pierre	*4.50 to 5.25 inches*	*Near Normal to just above normal.*
Pearl(abv Jackson)	*1.50 to 3.00 inches*	*Below normal.*
Pearl(Blo Jackson)	*1.75 to 5.25 inches*	*Just below normal to near Normal.*
Pascagoula	*2.25 to 6.00 inches*	*Mostly below normal with isolated areas above normal.*

The heaviest rainfall amounts in the HSA for the month were: 6.44 inches at Oakley Experimental station, MS (S. Hinds County); 6.32 inches at Raleigh, MS; 6.19 inches at Sumrall, MS; 6.12 inches at Larto Lake, LA; 6.11 inches at Shubuta, MS; 6.00 inches at Oak Ridge, LA. Some of the lowest reporting rainfall stations were: 0.63 inches at Tibbee, MS; 0.71 inches at Dermott, AR; 0.94 inches at Columbus, MS; 0.97 inches at Portland, AR; 1.41 inches at Grenada, MS; 1.58 inches at Philadelphia, MS; 1.69 inches at Hazelhurst, MS; 1.72 inches at Lexington, MS; and 1.88 inches at Crandall, MS.

Here at the WFO Jackson, the June monthly rainfall was 3.73 inches, which was 0.09 inches below normal. Ending June 30th, we have had 26.30 inches of thus far this year which is 4.27 inches below normal.

The Mississippi River from Arkansas City, AR to Greenville, MS started the month well above normal and ended the month just below seasonal norms. From Vicksburg, MS to Natchez, MS, the river started the month well above normal and ended the month at or just above seasonal norms. The provisional high and low stages for June are listed below:

Location	*High Stage(ft)*	*Date*	*Low Stage(ft)*	*Date*
Arkansas City, AR	*40.40*	*06/02*	*15.80*	*06/30*
Greenville, MS	*51.88*	*06/01*	*26.85*	*06/30*
Vicksburg, MS	*Missing*	*Missing*	*23.42*	*06/30*
Natchez,MS	*51.57*	*06/05*	*32.65*	*06/30*

Total Flood Warning products issued: 0
Total Flood Statement products issued: 25
Daily Rainfall Products (RRA'S) issued 30
Daily River Forecast Products (RVS'S) issued 30
Daily River Stage products (RVA'S) issued 30

Marty V. Pope
Service Hydrologist

Note: Stage and precipitation data was furnished with cooperation from Mississippi, Louisiana, and Arkansas, N.W.S. Cooperative Observers, United States Geological Survey, United States Army Corps of Engineers and the Pearl River Valley Water Supply District.

cc: USGS Little Rock District
USGS Ruston District
USCE Mobile District
USCE Vicksburg District
USCE Mississippi Valley Division
USGS Mississippi District
SRH Climate, Weather and Water Division
LMRFC
Pearl River Valley Water Supply District
Hydrologic Information Center
Southern Region Climate Center
Pat Harrison Waterway District